(19) World Intellectual Property Organization International Bureau







(43) International Publication Date 14 April 2005 (14.04.2005)

PCT

(10) International Publication Number WO 2005/032411 A3

(51) International Patent Classification7:

A61F 2/06

(21) International Application Number:

PCT/US2004/031886

(22) International Filing Date:

29 September 2004 (29.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/507,282

30 September 2003 (30.09.2003) Us

(71) Applicant (for all designated States except US): ALVEO-LUS INC. [—/US]; 401, North Tryon Street, 10th Floor, Charlotte, NC 28202 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): NISSL, Thomas [DE/DE]; Gillmoor 15, 21441 Garstedt (DE). MAN-GIARDI, Eric [US/US]; 701, Queen Charlotte Court, Charlotte, NC 28211 (US).

(74) Agent: COOPER, Jason, P.; Alston & Bird LLP, Bank of America Plaza, 101 South Tryon Street, Suite 4000, Charlote, NC 28280-4000 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

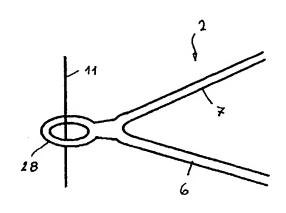
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 7 July 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: REMOVABLE STENT



(57) Abstract: The invention is relative to a stent (1) with a tublar support frame (2) consisting of axially successively following, interconnected annular segments (3, 4, 5), which support frame (2) is surrounded on its outside by a thread (11). The thread ends (12, 13) are guided via a deflection (14) from the outside into support frame (2), where they are coupled by a connector consisting of a material visible in x-rays. Deflection (14) is realized by two deflection elements (15, 16) in the form of eyelets provided on annular segment (3). Deflection elements (15, 16) are arranged on the circumference of support frame (2) at an interval from one another and are provided on end-side annular segment (3), viewed in longitudinal direction L of the stent.

